plary embodiment, angle 704 and range 714 correspond to the specifications of an electronic media display device. Both viewers 716 and 720 are shown as within viewing envelope 700. However, viewer 720 has his or her eyes 722 closed, or may be turned around looking the other way. For example, a viewer may be sleeping. Viewer 716 has his or her eyes 718 open. In an alternative embodiment, an intruder analysis module such as intruder analysis module 308 may use this information in determining if a viewer is an intruder. For example, if a red eye response cannot be determined for a viewer, that viewer may not be classified as an intruder. As shown in FIG. 7, viewer 716 would be classified as an intruder, but viewer 720 would not. As an example, algorithms that may be used to detect open eyes include red-eye response algorithms, and other facial recognition algorithms. [0070] Referring to FIG. 8, a schematic diagram of shows electronic media display device 802, sensor 806, processing circuit 300 (as is shown in FIG. 3), and visibility envelope **800**. According to an exemplary embodiment, the electronic media display device is part of an ATM machine. Sensor 806 may be a camera that is coupled to the ATM machine, and processing circuit 300 may be the processing components of the ATM machine. User 810 is shown as operating the ATM machine, and viewer 812 is shown as being within visibility envelope 800. Contents of electronic media display device 802 are shown as blurred 814. By automatically blurring the contents of the display, sensitive content can be protected from being viewed by unauthorized viewers. Similar embodiments are also useful in situations where sensitive content is displayed. For example, a medical display device that displays or gathers information about a user's medical history. [0071] Referring to FIG. 9, a flow diagram of a process 900 for detecting an intruding viewer of a camera-equipped electronic media display device and editing content is shown, according to an exemplary embodiment. Process 900 includes capturing an image of the electronic media display

device's surroundings using a camera (step 902), determining

a visibility envelope (step 904), and analyzing the captured

image and visibility envelope information to determine if an

intruder is present (step 906). If a viewer is present (step 908),

and the viewer is within the visibility envelope (step 910), and

the content on the screen is not already edited (step 912), the

content on the electronic media display device is edited or

changed (step 914). However, if the viewer is not determined

to be an intruder, and the content is already edited (step 918),

it is safe to reset any previous edits and display unedited

content again (step 916). If an intruder is detected and the

content is already edited, no further action needs to be taken

(step 912). [0072] Referring to FIG. 10, a flow diagram of a process 1000 for detecting an intruding viewer of camera-equipped electronic media display device and editing content according to a user preference file is shown, according to an exemplary embodiment. Process 1000 includes receiving a user preference data file (step 1002), capturing an image of the electronic media display device's surrounding using the camera (step 1004), determining a visibility envelope (step 1006), and analyzing the captured image and visibility envelope information to determine if an intruder is present (step 1008). If a viewer is present (step 1010), and the viewer is within the visibility envelope (step 1012), and the content on the screen is not already edited (step 1014), content on the electronic media display device is edited or changed (step 1016). However, if the viewer is not determined to be an intruder, and the content is already edited (step 1020), it is safe to reset any previous edits and display unedited content again (step 1018). If an intruder is detected and the content is already edited, no further action needs to be taken (step 1014).

[0073] Referring to FIG. 11, a flow diagram of a general process 1100 for detecting and reacting to an intruding viewer of an electronic media display device is shown according to an exemplary embodiment. Process 1100 includes obtaining information from a sensor (step 1102), determining a visibility envelope based on the sensor and input information (step 1104), performing analysis to determine a presence of an intruder within the visibility envelope (step 1106), and editing or changing content on a display device if an intruder is detected (step 1108).

[0074] Referring to FIG. 12, a flow diagram of a process 1200 for performing intruder analysis is shown, according to an exemplary embodiment. Process 1200 includes detecting all viewers of a display device (step 1202) and performing the following steps for each detected viewer: determining the viewers range from the display device (step 1204), determining the viewer's angle with respect to the display device (step 1206), performing additional analysis (step 1208), and comparing the analyzed information to a visibility envelope to determine if the viewer is an intruder and is a threat to the display device's content (step 1210). Step 1208 may include performing additional operations in addition to those performed in steps 1204 and 1206. For example, a system may be configured to perform red eye analysis to determine if a viewer can see the display. As another example, a system may be configured to adjust a visibility envelope according to user preferences. As another example, a system may be configured to take the display's brightness or content type into consideration. As another example, a system may be configured to take the display's size and the average quality of human eyesight into consideration.

[0075] Referring to FIG. 13, a schematic diagram of shows electronic media display device 1300, intruding camera 1302 attached to building 1306, and user 1306. According to an exemplary embodiment, electronic media display device 1300 is a cellular phone equipped with a camera 1308 (e.g., electronic media display device 402 of FIG. 4), which is configured to scan for intruding cameras according to systems and methods described herein. The processing circuit of electronic media display device 1300 receives data from camera 1308 relating to the environment around electronic media display device 1300. The processing circuit (via the intruder analysis module) analyzes the information to determine the presence of intruding camera 1302. The processing circuit (via the edit generation module) edits or changes content on electronic media display device 1300 in response to detecting intruding camera 1302. For example, the processing circuit may blur the contents of the display or cause an alert to appear, thereby notifying user 1306 of the intrusion. In this manner, sensitive content can be protected from being captured by unauthorized cameras. It should be understood that the application is not limited to detecting cameras attached to buildings, and that other scenarios are envisioned. For example, electronic media display device 1300 may detect another cellular phone equipped with a camera. Similar embodiments are also useful in public locations or while a user is taking public transportation, where intruding cameras are likely to be present.

[0076] Referring to FIG. 14, a flow diagram of a general process 1400 for detecting and reacting to an intruding viewer